

ABSTRACT

The preferred embodiment of a fastening system includes a self-piercing fastener having a thread-like pattern. In another aspect of the present invention, a fastener insertion machine employs an electromagnetic actuator without fluid actuation. A further aspect of the present invention uses a rotary-to-linear transmission within the machine to advance the fastener. In still another aspect of the present invention a self-piercing fastener is a clinch nut or a clinch stud.